

Kell
10/044,052

RECEIVED
CENTRAL FAX CENTER

MAR 01 2007

In the Claims

1. (currently amended) A device for protecting weep hole channels, draining water and directing mortar droppings/debris from a single wythe wall comprising:

said single wythe wall composed of a plurality of structural masonry elements having multiple courses including a bottom course, each masonry element forming at least one hollow inner cell, the bottom course of masonry elements having inner cells communicating through at least one drainage weep hole channel with the outside;

~~said device comprising a plurality of upwardly extending water permeable bodies, each said body having a plurality of passages such as to permit water to pass through said passages and to prevent passing of mortar and other debris through said passages;~~

a separate each of said upwardly extending water-permeable body in each hollow recess cell in the bottom course masonry elements of said wall to permit water to pass through and prevent passage of mortar and other debris ~~bodies being insertable into a corresponding one of the hollow inner recess cells;~~

each of said upwardly extending water-permeable bodies having a lower end substantially filling its cell area and covering the drainage weep hole channel and a transverse cross section which decreases upwardly from said lower end a lower transverse cross section so as to cover the drainage weep hole channel by the lower transverse cross section and to allow falling of the mortar and other debris in the respective inner hollow recess cells onto a surface around of each of said upwardly extending water-permeable bodies but at the same time to prevent blockage of said drainage weep hole falling of the mortar and other debris in the hollow recess cell into the hole channel;

Kell
10/044,052

whereby water in each of the inner cells of masonry blocks of the single wythe wall can flow through a respective one of said upwardly extending water-permeable bodies into the weep hole channel and outside of the single wythe wall.

2. (original) A device as defined in claim 1, wherein each of said upwardly extending water-permeable bodies has a pyramidal shape which is tapered upwardly to increase the inner surface cell area for more room of each of said upwardly extending water-permeable bodies for collection of the mortar and other debris.

3. (original) A device as defined in Claim 1, wherein each of said upwardly extending water-permeable bodies has a conical shape which is tapered upwardly to increase the inner surface area of the cells for more room of each of said upwardly extending water-permeable bodies for collection of the mortar and other debris.

4. (original) A device as defined in Claim 1, wherein each of said bodies has a truncated pyramidal shape.

5. (original) A device as defined in Claim 1, wherein each of said upwardly extending water-permeable bodies has a truncated tapered conical shape.

6. (original) A device as in Claim 1, wherein each of said upwardly extending water-permeable bodies includes a plurality of members of upwardly decreasing cross-section.

7. (currently amended) A device as defined in Claim 1, wherein each of said upwardly extending water-permeable bodies has a height sufficient adapted to extend above the bottom course and into a next course ~~exceed a height of at least one of the structural elements.~~

8. (canceled)

Kell
10/044,052

9. (original) The device as in Claim 1 wherein each said body is fibrous.

10. (original) The device as in Claim 1 wherein each said upwardly extending body is texturized.

11. (currently amended) A single wythe wall, consisting of comprising:
a plurality of structural elements formed into rows with a bottom row and subsequent rows placed over said bottom row, each structural element one another and each forming at least one inner hollow cell in said bottom row communicating with outside through at least one drainage weep hole channel;
and a separate device for draining water from each said inner hollow cell in said bottom row; said device including a plurality of upwardly extending water-permeable bodies each having a plurality of passages such as to permit water to pass through said passages and to prevent passing of mortar and other debris through said passages;

each device being an of said upwardly extending water-permeable body bodies being inserted in a corresponding one of said inner hollow cells having a transverse dimension section which decreases upwardly from a lower transverse cross section in direct contact with and covering substantially all of so as to cover the drainage weep hollow channel, by the lower transverse cross section and to allow and/or direct falling of the mortar and other debris in each of the inner hollow cells onto a surface surrounding of each of said upwardly extending water-permeable body bodies but at the same time to prevent falling of the mortar and other debris in the respective inner hollow cells into the drainage weep hole channel;

whereby water in the inner hollow cells can flow through each said body a respective one of said upwardly extending water-permeable bodies into the drainage weep hole channel and outside of the single wythe wall.

Kell
10/044,052

12. (currently amended) A single wythe wall as defined in Claim 11, wherein each ~~of said~~ upwardly extending water-permeable body bodies has a pyramidal shape which is tapered upwardly to increase the inner surface cavity area of each hollow cell ~~of said blocks~~ for collection of the mortar and other debris, but still allows water to pass through to the base of the wall to the drainage weep hole channel device, a bottom of said body filling substantially all of a cross section of the hollow cell.

13. (currently amended) A single wythe wall as defined in Claim 11, wherein each ~~of said upwardly extending~~ water-permeable body bodies has a conical shape which is tapered upwardly to increase the inner surface hollow cell area of each of said structural elements blocks for collection of the mortar and other debris.

14. (currently amended) A single wythe wall as defined in Claim 11, wherein each body ~~of said bodies~~ has a truncated pyramidal shape.

15. (currently amended) A single wythe wall as defined in Claim 11, wherein each ~~of said~~ upwardly extending water-permeable body bodies has a truncated tapered conical shape.

16. (currently amended) A single wythe wall as in Claim 11, wherein each ~~of said~~ upwardly extending water-permeable body bodies includes a plurality of members of upwardly decreasing crosssection.

17. (currently amended) A single wall as defined in Claim 11, wherein each ~~of said~~ upwardly extending water-permeable body bodies extends into has a height adapted to exceed a height of at least one of the structural elements.

18. (canceled)

19. (original) The single wythe wall as in Claim 11 wherein each said upwardly extending body is fibrous.

20. (original) The single wythe wall as in Claim 11 wherein each said upwardly extending body is texturized.

Kell
10/044,052

21. (currently amended) A method of draining water from a single wythe wall and protecting ~~a~~ the drainage weep channel thereof comprising the steps of: [[.]]

forming said single wythe wall from having a plurality of structural elements, said structural elements placed over one another and each forming at least one inner hollow cell, the hollow cells of lowermost structural elements communicating with outside through at least one drainage weep hole channel; the method comprising the steps of:

introducing into [[in]] the inner hollow cells of said lowermost structural elements a separate plurality of upwardly extending water-permeable body bodies each having a plurality of passages, such as to permit water to pass through said passages and to prevent passing of mortar and other debris through said passages; and,

forming each [[of]] said upwardly extending water-permeable body bodies with a transverse dimension which decreases upwardly from a lower transverse cross section substantially fully covering ~~so as to cover~~ the drainage weep hole channel completely by the lower transverse cross section and to direct falling of the mortar and other debris in the inner hollow cell onto a surface surrounding of each [[of]] said upwardly extending water-permeable body bodies;

whereby water entering in each of the inner hollow cells of the lowermost structural elements will ~~can~~ flow through a respective one of said upwardly extending water-permeable body bodies into the drainage weep hole channel and outside of the single wythe wall.

22. (currently amended) A device for protecting the weep hole from clogging, for draining water and directing mortar droppings/debris from a single wythe wall composed of a plurality of structural elements each forming at least

Kell
10/044,052

one inner hollow cell communicating through at least one drainage weep hole channel with the outside, the device comprising:

a plurality of upwardly extending water-permeable bodies each having a plurality of passages such as to permit water to pass through said passages and to prevent passing of mortar and other debris through said passages,

each of said upwardly extending water-permeable bodies in being insertable into a corresponding one of the an inner hollow cell cells;

each of said bodies having a lower base transverse cross section which covers substantially completely the respective crosssectional area areas of the inner hollow cell cells occupied by the body and the respective drainage weep hole channel by the lower transverse cross section and to allow falling of the mortar and other debris in the inner hollow cell and collecting in an area surrounding onto a surface of each of said upwardly extending water-permeable bodies but at the same time to prevent falling of the mortar and other debris in the hollow cell into the drainage weep hole channel;

whereby water in each of the inner hollow cells of the single wythe wall can flow through a respective one of said upwardly extending water-permeable bodies into the channel and outside of the single wythe wall.

23. (original) A device as defined in claim 22, wherein each of said upwardly extending water-permeable bodies further has an upper upwardly extending member for collection of the mortar and other debris.

24. (original) A device as defined in claim 22 wherein each said upwardly extending portion is a block.

25. (original) A device as defined in claim 22 wherein each said upwardly extending portion is circular cylindrical.

26. (original) A device as defined in claim 22 wherein each said

Kell
10/044,052

upwardly extending portion is a geometric shape in cross section.

27. (currently amended) A device as defined in claim 22, wherein each of said upwardly extending water-permeable bodies has a height which exceeds ~~adapted to exceed~~ a height of at least one of the structural elements.

28. (original) A device as defined in claim 22, wherein the lower transverse cross section of each of said upwardly extending water-permeable bodies is selected so as to correspond to a transverse dimension of a lower end of a corresponding one of the inner hollow cells of the single wythe wall.

29. (original) The device as in Claim 22 wherein each of said upwardly extending bodies is fibrous.

30. (original) The device as in Claim 22 wherein each of said upwardly extending bodies is texturized.

31. (canceled) A device for protecting weep hole channels, draining water and directing mortar debris from a single wythe wall, comprising
a plurality of structural elements placed over one another and each forming at least one inner hollow cell communicating with the outside through at least one drainage weep hole channel;

a device for draining water from said inner hollow cell, said device including a plurality of self-supporting upwardly extending water-permeable bodies each having a plurality of passages such as to permit water to pass through said passages and to prevent passing of mortar and other debris through said passages,

each of said upwardly extending water-permeable bodies being inserted in a corresponding one of said inner hollow cells having a transverse dimension section which completely covers the transverse cross section thereof and to allow/direct falling of the mortar and other debris in each of the inner hollow cells onto a surface of each of said upwardly extending water-permeable bodies but at

Kell
10/044,052

the same time to prevent falling of the mortar and other debris in the inner hollow into the channel;

whereby water in the inner hollow cells can flow through a respective one of said upwardly extending water-permeable bodies into the drainage weep hole channel and outside of the single wythe wall.

32. (canceled) The device as in Claim 31 wherein each said body exceeds the height of a masonry block.

33. (canceled) The device as in Claim 31 wherein each said body is fibrous.

34. (canceled) The device as in Claim 31 wherein each said body is textured.

35. (canceled) A device for protecting weep hole channels, draining water and directing mortar debris from a single wythe wall, comprising:

a plurality of structural elements placed over one another and each forming at least one inner hollow cell communicating with the outside through at least one drainage weep hole channel;

a device for draining water from said inner hollow cell, said device including a plurality of self-supporting upwardly extending water-permeable bodies each having a plurality of passages such as to permit water to pass through said passages and to prevent passing of mortar and other debris through said passages;

each of said upwardly extending water-permeable bodies being inserted in a corresponding one of said inner hollow cells having a transverse dimension section which substantially covers the transverse cross section thereof and to allow/direct falling of the mortar and other debris in each of the inner hollow cells onto a surface of each of said upwardly extending water-permeable bodies but at the same time to prevent falling of the mortar and other debris in the inner hollow into the channel;

Kell
10/044,052

whereby water in the inner hollow cells can flow through a respective one of said upwardly extending water-permeable bodies into the drainage weep hole channel and outside of the single wythe wall.

36. (canceled) The device as in Claim 35 wherein each of said upwardly extending water-permeable bodies has a transverse cross section which decreases upwardly from a lower transverse cross section.

37. (canceled) The device as in Claim 35 wherein said body exceeds the height of a masonry block.

38. (canceled) The device as in Claim 35 wherein each said body is fibrous.

39. (canceled) The device as in Claim 35 wherein each said body is texturized.

40. (new) The method of Claim 21 in which each said upwardly extended body extends into one or more structural elements above said lowermost structural elements.

41. (new) The method of Claim 40 in which a bottom of the lower transverse cross section of said upwardly extending water-permeable body is in direct contact through mortar with said drainage weep hole channel in an underlying foundation wall.

42. (new) The method of Claim 41 in which each said upwardly extending water-permeable body is conical in shape.

43. (new) The method of Claim 41 in which each said upwardly extending water-permeable body has a truncated pyramidal shape.